STRUCTURED ANALYSIS AND DESIGN
FIVE DAYS

Course Description

This course provides students with the skills necessary to participate in the front-end phases of the systems life cycle including requirements definition, systems analysis and systems design. Multiple techniques, tools and methodologies are discussed with an emphasis placed on selecting the best choices for your project including Data Flow Diagrams, Entity-Relationship Diagrams, Object models, Network and distribution models and UI Flow diagrams. Time is also spent discussing changes to the traditional structured approach as dictated by newer client/server and object oriented technologies. Group activities and exercises allow students to apply their skills to an actual project.

Prerequisites

Familiarity with business systems and processes. Development experience is recommended but not required.

Who Should Attend

Business Analysts, Programmers, System Analysts, System Designers, Database Designers, Network Designers, Team Leaders, Project Managers and anyone else involved in the requirements, analysis and design phases of the project life cycle.

Course Topics

- Overview of Systems Analysis and Design
- Systems Analysis
- Data Modeling
- Process Modeling
- Network Modeling
- Object Modeling
- Systems Design
- Application Architecture and Process Design
- Database Design
- Input Design and Prototyping
- Output Design and Prototyping
- User Interface Design
- Software Design
- Object-Oriented Design